Catalog

Scientific equipment for microbiology

interscience

Our quality for your lab!

Since 1979, interscience has been inventing, manufacturing and ensuring lifetime support for the preparation and analysis of solid samples in microbiology labs.

Made in France, interscience products are publicly acclaimed by users for being highly efficient. Our heavy investment in R&D enables us to provide the most reliable products on the market. Today interscience is recognized throughout the world: **our products are used in more than 80 countries.**

The **BagMixer®** lab blender, ensuring quick and safe microbiological analyses has become a world best-seller in labs.

Discover the **Plate & Count System®** with the **easySpiral®**, the newest generation of automatic platers of Petri dishes and the **Scan®** automatic colony counters: an unequalled level of efficiency!

We stand behind our products with worldwide service around the clock. At your service to give you the best information, technical advice and support 24/7, we are committed to providing you with the products that will guarantee the most enjoyable experience.

François Jalenques
Chief Executive Officer

Emmanuel Jalenques
Chief Operating Officer

interscience

ABOUT US

1979
François Jalenques, physicist, creates interscience.

1979
With Dr. Ed Campbell, launching of the automatic bacterial plater of Petri dishes **Spiral® DS**.

2001
Opening of the **R&D center** and the **manufacturing plant** (Mourjou, France).

interscience
R&D center and manufacturing plant

2002
Opening interscience USA/Canada (Boston, USA).

2006
Launching of the **Scan®** automatic colony counter.

2007
BagMixer® patent: removable **Click and Clean®** paddles.

2008
Opening interscience China (Shanghai, China).

2009
10,000th BagMixer® sold.

2010
Launching of the **Plate & Count System®** and the **easySpiral®**, 3rd generation of Spiral® platers.

2011
New **R&D center** and **manufacturing plant** (Mourjou, France).

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Certified production

ISO 9001 2000 — MADE IN FRANCE — CE

WEEE 2002/96/EC — RoHS 2002/95/EC

More than 10,000 **BagMixer®** used daily!

MICROBIOLOGICAL ANALYSIS: from sample preparation...

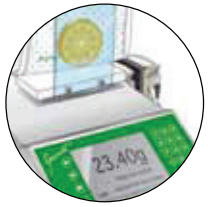
1 Collecting the sample

- Place the sample in a **BagPage®** sterile filter bag. The bag stands upright with a **BagOpen®**.

2 Diluting the sample

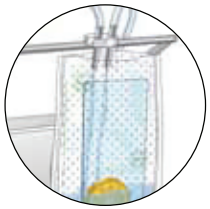
- Weigh the sample with the **Gravimat®** dilutor.

3 sec./precision: 98%



- **Gravimat®** dilutor automatically adds the appropriate mass of diluent.

10 sec./precision: 98%



3 Homogenizing the sample

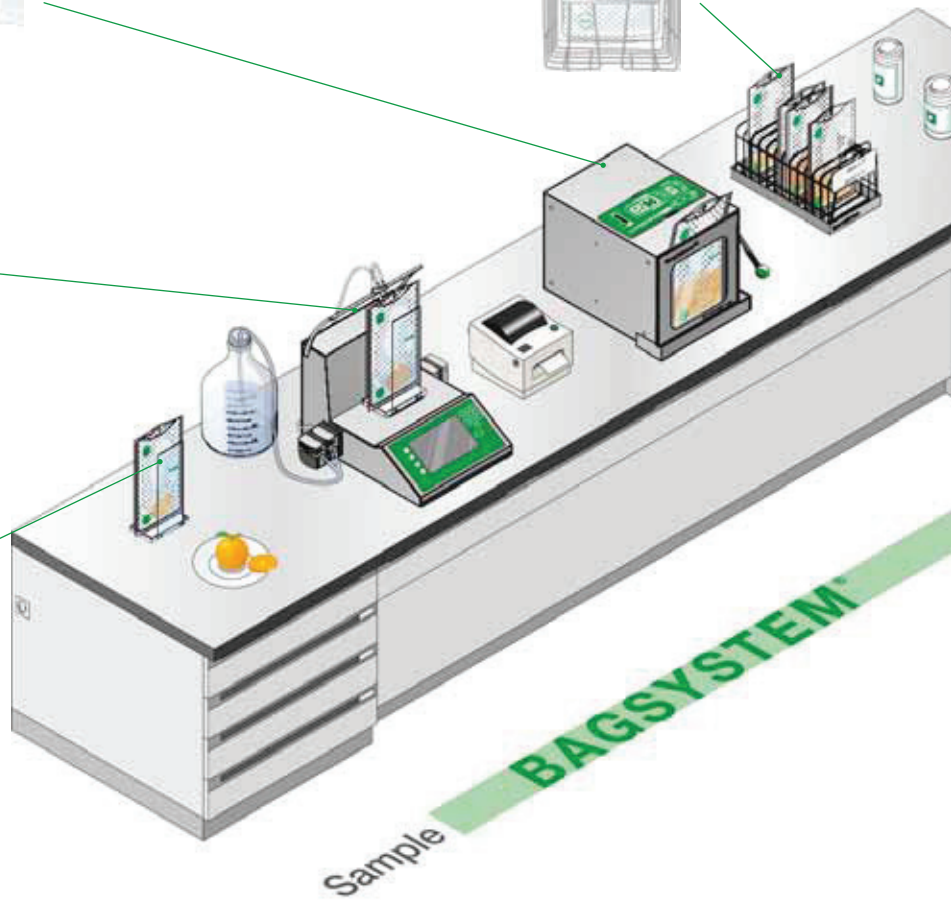
- The sample is homogenized with the **BagMixer®**. There is no contact between the sample and the machine to avoid cross-contamination.

- The bacteria are quickly extracted from the sample without being destroyed.

1 min.

4 Organizing the samples

- The homogenized samples are closed with **BagClip®** and stored in the **BagRack®**.



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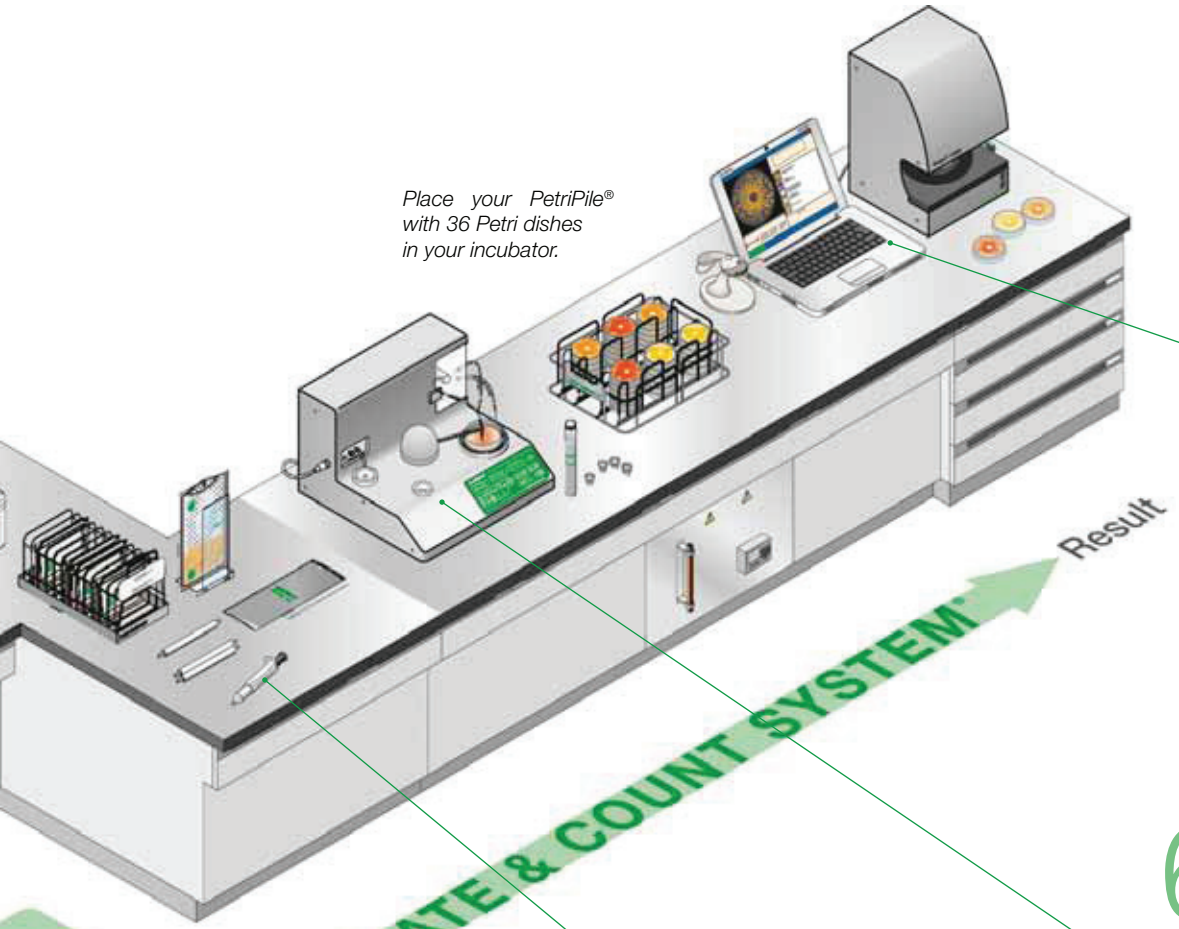
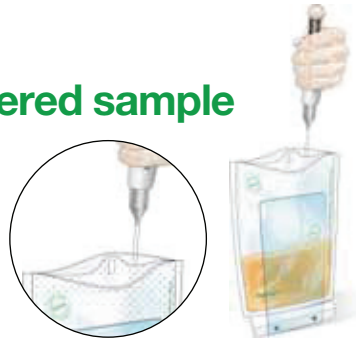
...to bacterial analysis

interscience



5 Pipet the filtered sample

- Sterile and instant filtration of the sample thanks to the integrated filter of the bag with **BagPipet®**.



6 Automatic plating

- Place your filtered sample in a sterile beaker.
- The spiral plater **easySpiral®** automatically plates the sample on 1 Petri dish, avoiding several manual dilutions. Sensitivity of 30 to 10 million CFU/ml.

30 sec./precision: 98%

7 Counting the colonies

- With the automatic **Scan®** colony counter, get bacterial results in 1 second. Images and results are automatically saved on your computer to ensure traceability.

5 sec./precision: 98%

CFU images/results/samples data available in:

- Excel™ file
- Printed PDF report
- Recountable Scan® file

BagSystem® How to prepare your sample

The BagSystem® is a full range of products for the quick and safe preparation of the sample before its microbiological or chemical analysis.

- No risk of cross-contamination
- Accurate results and excellent reproducibility
- Significantly increases your analyzing capacities

1 Collecting

Place the sample in a **BagPage®** sterile bag for analyzing.

2 Diluting

Add the diluent with **Gravimat®**, gravimetric dilutor.

3 Blending

The sample is homogenized with its diluent in the **BagMixer®** lab blender. The filtration of the sample occurs in the filter bag during blending.

4 Pipetting

Pipet the sample with **BagPipet®**. Filtration is sterile and instant. The sample is ready for analysis.

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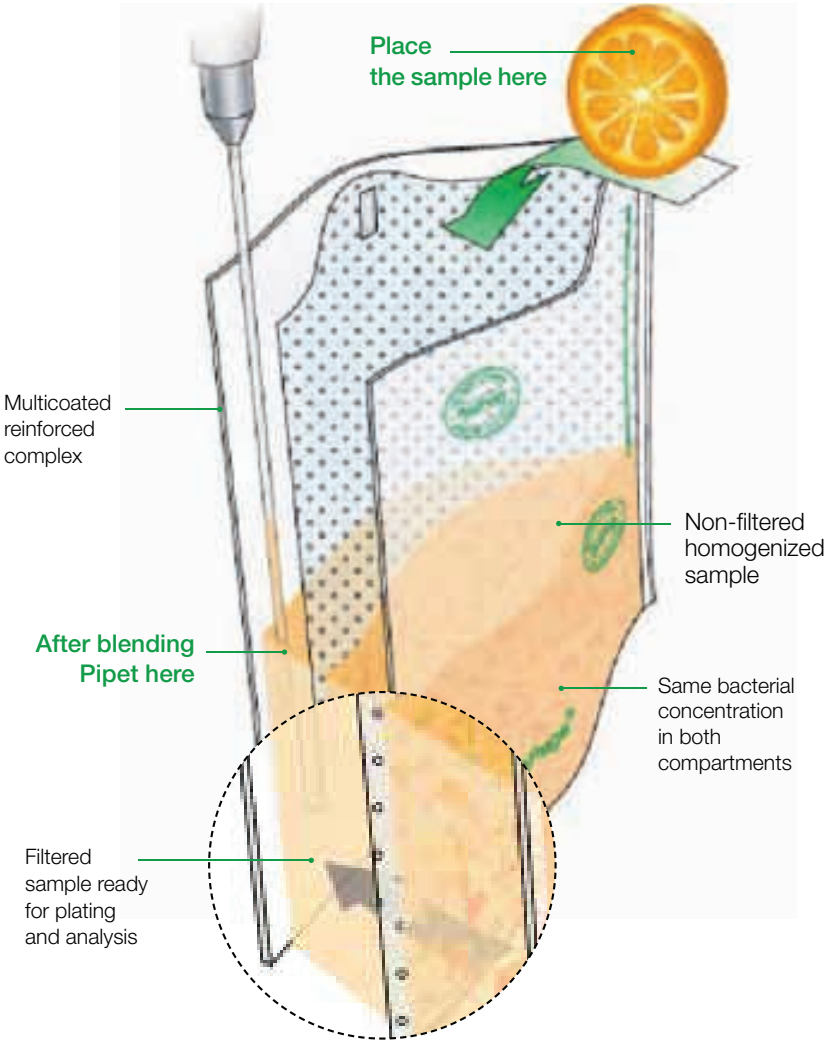
BagSystem® Why use a filter bag?

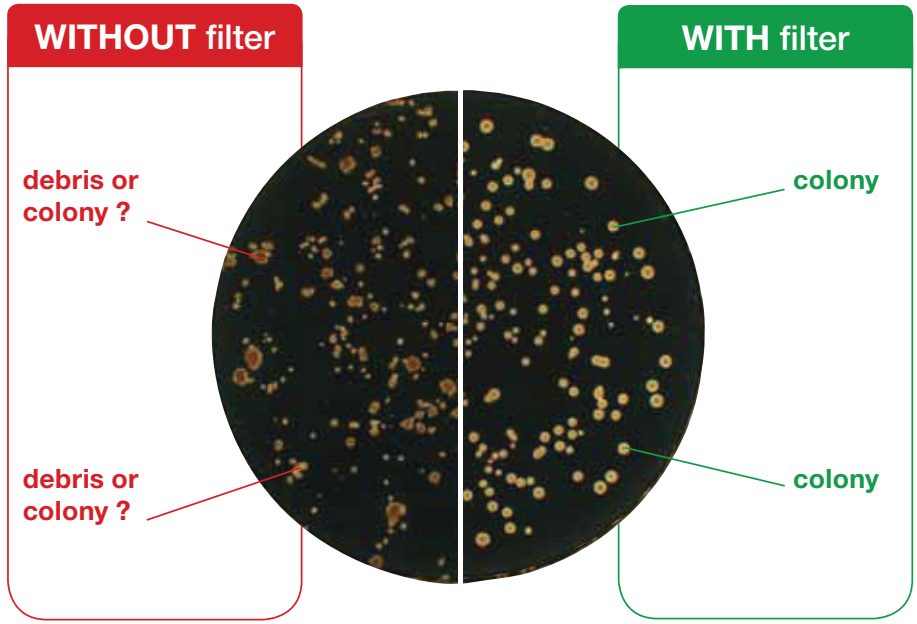
BAGPAGE® FILTER BAG:

Homogenization and filtration are done at the same time for a quick pipetting without particles.



PLATING ON PETRI DISH :

Comparison between the sample homogenized in a bag without a filter and with a BagFilter® filter bag for a Lactobacilles analysis.



COLONIES + DEBRIS :
counting of colonies is difficult and takes time

Plated on MRS agar and incubated at 30°C for 48h.

NO DEBRIS :
easy counting

- INSTANT filtration: no need to wait for sedimentation
- STERILE filtration: no cross-contamination
- No debris on the Petri dish: QUICK colony counting

BagFilter® Lateral filter bags

Sterile filter bag for the homogenization and automatic filtration of the sample.

Lateral filter, ideal for fibrous sample

Filter porosity: < 250 microns

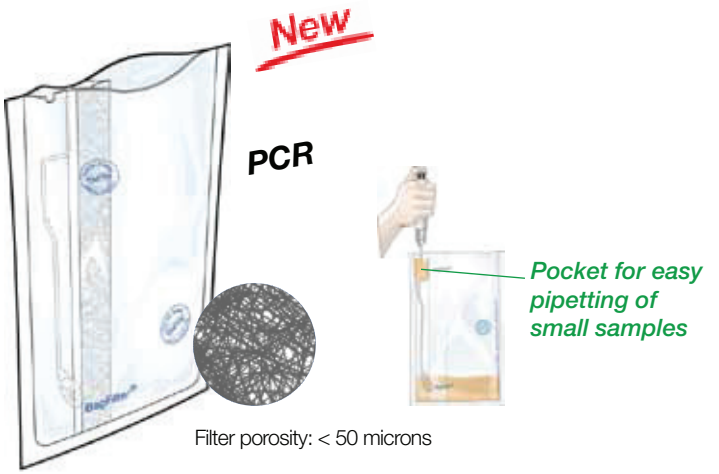
BagFilter® P

- Ideal for pipetting
- Multilayer®: multicoated reinforced complex
- Lateral non-woven filter
- Porosity of the filter: < 250 microns
- Available in 400/3500 ml

Filter porosity: < 250 microns

BagFilter® S

- Ideal for pouring: with a weld to retain particles
- Multilayer®: multicoated reinforced complex
- Lateral non-woven filter
- Porosity of the filter: < 250 microns
- Available in 400 ml



Filter porosity: < 50 microns

BagFilter Pull-Up® Patented

- Ideal for pipetting small volumes: ≤ 1000 µl
- Multilayer®: multicoated reinforced complex
- Lateral non-woven filter
- Porosity of the filter: < 50 microns
- Available in 400 ml

Technical specifications

BagFilter®	P 400	S 400	Pull-Up®	P 3500
Nominal volume	400 ml	400 ml	400 ml	3500 ml
Useful volume	50 - 300 ml	50 - 300 ml	50 - 300 ml	200 - 2000 ml
Bag dimensions	190 x 300 mm	190 x 300 mm	190 x 300 mm	380 x 510 mm
Sterile pack of	10 or 25	10 or 25	10 or 25	10
Box of	500	500	500	100
Reference	111 410 or 111 425	112 410 or 112 425	111 625	113 510

- Particle-free solution: easy reading of the colonies
- Compatible with any blender
- Sterile, approved for food contact

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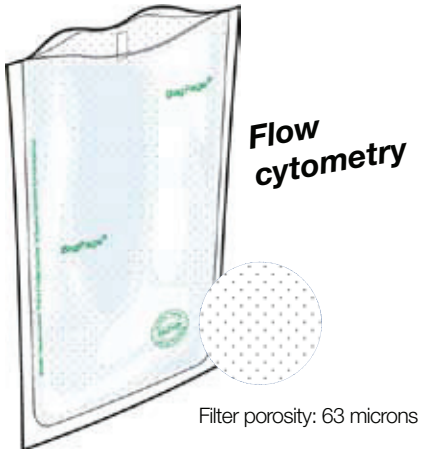
BagPage® Full-page filter bags **Patented**

Sterile filter bag for the homogenization and automatic filtration of the sample. A unique system of welding on the bag ensures error-free pipetting.

Full-page filter, ideal for pasty sample

Filter porosity: 280 microns



Filter porosity: 63 microns

Filter porosity: < 250 microns

Filter porosity: 280 microns

BagPage®+

- Multilayer®: reinforced multicoated complex
- Full-page microperforated filter
- Filter porosity: 280 microns
- Also available: **BagPage® U** (round bottom for circulating blenders)
- Available in 80/100/400/3500 ml

BagPage® F

- For flow cytometry, PCR
- Multilayer®: reinforced multicoated complex
- Full-page microperforated filter
- Low porosity filter: 63 microns
- Available in 400 ml

BagPage® R

- Multilayer®: reinforced multicoated complex
- Non-woven full-page filter
- Filter porosity: < 250 microns
- Available in 400 ml

BagPage® + XR

- New material: 50% thicker
- Full-page microperforated filter
- Filter porosity: 280 microns
- For hard-to-blend samples
- Available in 400 ml

Technical specifications

BagPage®	80	100	+ 400	U 400	F 400	R 400	XR 400	+ 3500
Nominal volume	80 ml	100 ml	400 ml	400 ml	400 ml	400 ml	400 ml	3500 ml
Useful volume	5 - 40 ml	5 - 50 ml	50 - 300 ml	50 - 300 ml	50 - 300 ml	50 - 300 ml	50 - 300 ml	200 - 2000 ml
Bag dimensions	95 x 160 mm	95 x 180 mm	190 x 300 mm	190 x 300 mm	190 x 300 mm	190 x 300 mm	190 x 300 mm	380 x 510 mm
Sterile pack of	25	25	10 or 25	25	25	25	25	10
Box of	500	500	500	500	500	500	400	100
Reference	120 825	121 025	122 010 or 122 025	122 225	122 325	161 025	122 425	123 010

- Large convenient opening
- Indication for easy pipetting
- Particle-free solution: easy counting of the colonies
- Compatible with any blender
- Sterile, approved for food contact

BagLight® Non-filter bags

Sterile bag for homogenizing samples.

BagLight® PolySilk®

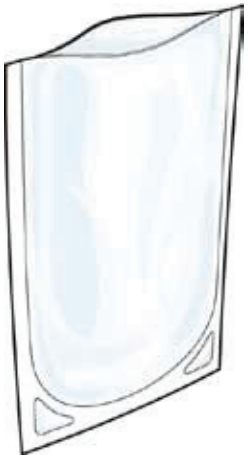
- PolySilk®: polyolefin complex
- Flexible and transparent
- Available in 100/400/3500 ml

BagLight® PolySilk® HD

- Easy writing
- High Density PolySilk®
- Rigid, matte and slightly opaque
- Available in 400 ml

BagLight® Multilayer®

- Multilayer®: reinforced complex
- Reinforced weldings
- Available in 400 ml



BagLight® Multilayer® U

- Designed for circulating blenders
- Multilayer®: reinforced complex
- Reinforced weldings
- Available in 400 ml

Technical specifications

BagLight®	100	PolySilk® 400	PolySilk® HD	Multilayer®	Multilayer® U	3500
Nominal volume	100 ml	400 ml	400 ml	400 ml	400 ml	3500 ml
Useful volume	5 - 50 ml	50 - 300 ml	50 - 300 ml	50 - 300 ml	50 - 300 ml	200 - 2000 ml
Bag dimensions	110 x 185 mm	175 x 300 mm	175 x 300 mm	190 x 300 mm	190 x 300 mm	380 x 510 mm
Sterile pack of	25	25	25	25	25	25
Box of	500	1000	1000	500	500	500
Reference	131 025	132 025	132 325	132 225	132 125	133 025

- Robust/Ultra resistant
- Resistant to freezing
- Compatible with any blender
- Sterile, approved for food contact

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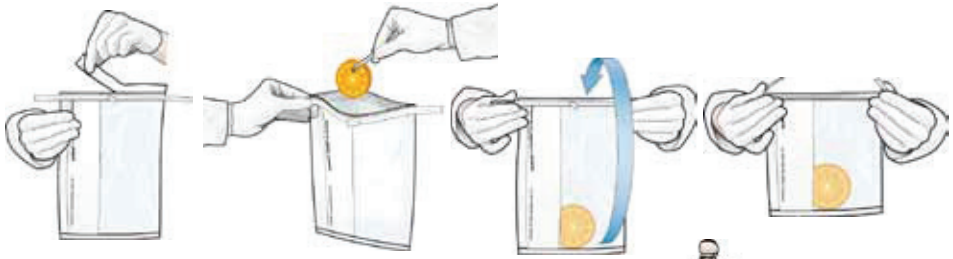
RollBag® Sampling bag

Sterile bag for sampling and homogenizing samples.



Easy transportation of the sample

Sample and blend in the same bag

Handy for pipetting

RollBag®
Sampling bag

- Wire-reinforced sealing, stainless steel
- PolySilk®: polyolefin complex
- Flexible and transparent
- Available in 450/1300 ml

Technical specifications

RollBag®	450	1300
Nominal volume	450 ml	1300 ml
Useful volume	5 - 50 ml	50 - 300 ml
Bag dimensions	110 x 230 mm	175 x 290 mm
Box of	1000	500
Reference	145 010	145 040

- Pre-cut opening of the bag
- Marking zone
- Tight closure
- Resistant up to 100°C
- Individually sterile
- Approved for food contact

OEM
Custom manufacture

Ask us about bags specifically designed and manufactured for your application.

Choose:

- the type of calibrated filter
- the shape/size/material
- the weldings/openings/ compartments
- marking
- calibrated separation...
- NO MARKING

All our bags are approved for food contact, radiosterilized and compatible with ALL LAB BLENDERS.

A red sticker is placed on every box as a mark of guarantee of sterilization.

A sterilization certificate is included with each shipment.

BabyGravimat® Gravimetric dilutor

BabyGravimat® is an easy-to-use gravimetric dilutor: you can dilute your sample just by pressing two keys. Compatible with any container, BabyGravimat® also allows the use of two diluents.

ISO 7218

LIFETIME SERVICE

Traceability:

Demo video
www.interscience.fr

Applications

- Microbiological analyses
- Gravimetric dilutions/liquid dispensing

Specifications

- Dilution time:
  < 20 secs. for 250 ml
- Dilution factor: from 1/2 to 1/99
- Accuracy:
  of sample weighing: < 0.1 g
  of mass liquid of dispensing: > 99 %
  (for a sample weight > 1 g)
- Maximum weight: 1000 g
- Liquid dispensing: accuracy 0.1 g
- RS 232 output to transfer information to Excel™, LIMS or printer.
  (Parameters: pump selection, accuracy, sample weight, total weight, dilution factor, distribution factor...)
- All stainless steel: easy to clean

Delivered with: 1 fixed arm/1 or 2 pumps/2 sets of autoclavable dispensing assemblies per pump/Power cord/1 BagOpen® 400 for Gravimat® and BabyGravimat® user manual/user guide for tubes installation/Free sample pack of bags: 10 BagPage® + 400, BagFilter® 400 P and BagFilter® 400 S

Technical specifications

BabyGravimat®	Single pump	Double pump
Maximum weight	1000 g	1000 g
Power	220/110V - 50/60Hz	220/110V - 50/60Hz
Size (L x W x H)	42 x 31 x 16 cm	42 x 37 x 16 cm
Weight	8 kg	9 kg
Reference	500 230	502 230

Options

Printer
(RS 232 output)
ref. 521 000

Adjustable arm
ref. 513 014

Stand for broth bags
ref. 513 013

- Easy-to-use: two keys for one dilution
- Distribution and weighing functions
- Compatible with any container
- ISO 7218 standard

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Gravimat® Gravimetric dilutor

ISO 7218 ISO 6887-1

LIFETIME SERVICE

Gravimat® automatically dilutes a solid sample with the appropriate mass of diluent. All the diluting and dispensing protocols are selected on the screen, repeatable and reproducible. Data are protected, accessible and traceability is ensured.

Traceability:

Demo video
www.interscience.fr

Applications

- Microbiological analyses
- Gravimetric dilution/liquid dispensing
- Precise weighing system
- For samples requiring traceability

Specifications

- Ultra-quick tare: < 1 sec.
- Dilution time:
  < 20 secs. for 250 ml
  < 10 secs. for 250 ml with booster kit
- Dilution factor: 1/2 to 1/999
- Accuracy:
  for sample weighing: < 0.05 g
  for mass liquid of dispensing: > 99 %
  (for a sample weight > 1 g)
- Maximum weight: 2500 g
  (In option: platform of 5000 g)
- Functions:
  Weighing platform: accuracy 0.05 g
  Liquid dispensing: accuracy 0.1 g
- RS 232 output to transfer information to Excel™, LIMS or printer.
  (Parameters: day, time, user code, pump selection, sample ID, dilution factor...)
- All stainless steel: easy to clean
- Multi-lingual screen: English, French, German, Spanish, Italian, Chinese and Japanese

Delivered with: 1 or 2 pumps/1 autoclavable 5 L bottle/2 sets of autoclavable dispensing assemblies per pump/power cord/1 BagOpen® 400 for Gravimat® and BabyGravimat®/1 round weighing platform user manual /user guide for tubes installation/free sample pack of bags: 10 BagPage® + 400, BagFilter® 400 P, BagFilter® 400 S and 25 BagLight® Polysilk®

Technical specifications

Gravimat®	Single pump	Double pump
Maximum weight	2500 g	2500 g
Power	220/110V - 50/60Hz	220/110V - 50/60Hz
Size (L x W x H)	42 x 31 x 32 cm	42 x 37 x 32 cm
Weight	11 kg	13 kg
Reference	510 230	512 230

Options

Booster kit ref. 511 000 | Printer (RS 232 output) ref. 521 000 | Bar-code reader ref. 522 000 | Stand for broth bags ref. 513 013 | Dispensing arm ref. 513 002

- Quick, reliable, modular
- Complete traceability: compatible with LIMS, printer and barcode
- Weighing and dispensing functions
- Multi-lingual screen
- ISO 6887-1/ISO 7218 standards

BagMixer® Full range

3 YEAR GUARANTEE

The BagMixer® lab blenders guarantee an optimal extraction in less than 60 seconds. The homogenized sample is representative of the global contamination of the sample and ready to be analyzed.

MiniMix® 100
5-80 ml
Sample up to 10 g

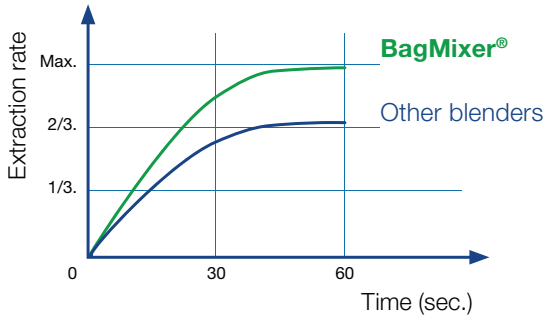
BagMixer® 400
50-400 ml
Sample up to 40 g

JumboMix® 3500
200-3500 ml
Sample up to 400 g

Our strengths:

- Unique manufacturer of both homogenizers AND sterile bags
- Best-seller: more than 10,000 BagMixer® used daily
- Life-time guarantee for shock-absorbers and window door + 3 year guarantee
- Made in France
- Life-time service

Optimal bacterial extraction



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BagMixer® Exclusive technology

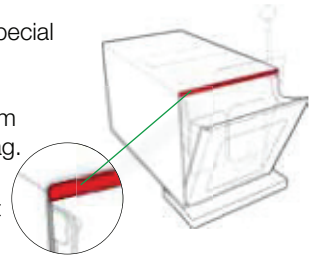
Easy control

- Blending speed
- Blending power
- Blending time

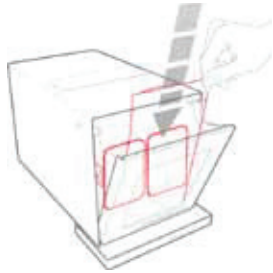
BagMixer® 400 CC®

A unique comfort

- **Q-Tight®**, a special closing system prevents risks of leaking liquid from the top of the bag.



- **Easy insertion of the bag**, the paddles stop side-by-side at the end of the blending.

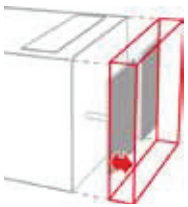


PATENTED

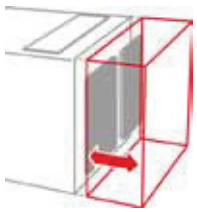
Adjustable blending power

Adjust your blending chamber according to the nature and size of your sample.

The blending power can be raised up to 28 kg of pressure for hard samples.



Small samples:
Move the paddles forward

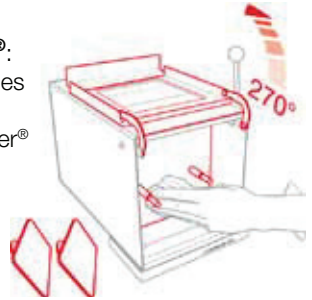


Big samples:
Move the paddles backwards

PATENTED

Cleaning is easy

- Door opens at 270°
- All stainless steel
- **Click & Clean®**:
  - remove the paddles
  - autoclave them
  - clean the BagMixer® completely



MiniMix® 100 ml lab blenders

3 YEAR GUARANTEE

LIFETIME SERVICE

The MiniMix® 100 is designed for the blending of small samples. Thanks to the adjustable paddles, your blending is more accurate and efficient.

Applications

- Homogenization of all types of samples up to 10 g
- Clinical, pharmaceutical
- Veterinary (biopsy, organ tissue sampling...)
- Molecular extraction (proteins, lipids, DNA...)
- Toxin research (HPLC, GCMS...)

MiniMix® 100 P CC®

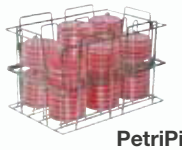
- Multifunction digital screen
- Variable speed (3, 6, 9, 12 strokes/sec.)
- Variable time (1sec. - 1h or ∞)
- Variable power, adjustable paddles
- Q-Tight® closing
- Click & Clean® removable paddles
- Side-by-side paddle stop

MiniMix® 100 W CC®

- Window door
- Multifunction digital screen
- Variable speed (3, 6, 9, 12 strokes/sec.)
- Variable time (1sec. - 1h or ∞)
- Variable power, adjustable paddles
- Q-Tight® closing
- Click & Clean® removable paddles
- Side-by-side paddle stop
- Security drip tray

Discover the MiniMix® accessories!

BagRack®



PetriPile®

(See p.20)

Technical specifications

MiniMix® 100	P CC®	W CC®
Useful volume	5 - 80 ml	5 - 80 ml
Power	220/110V - 50/60Hz	220/110V - 50/60Hz
Size (L x W x H)	37 x 21 x 20 cm	37 x 21 x 20 cm
Weight	13 kg	13 kg
Reference	011 230	013 230

Ideal with the sterile bags

BagPage® *80 ml*

BagPage® *100 ml*

BagLight® *100 ml*

- Silent
- Variable blending power
- Window door and shock absorbers life-time guarantee
- Easy cleaning: door opens at 270°
- 3 year guarantee

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BagMixer® 400 400 ml lab blenders

ISO 7218

3 YEAR GUARANTEE

LIFETIME SERVICE

World best-seller in labs, BagMixer® 400 is an efficient lab blender for all microbiological analyses.

Applications

- Homogenization of all types of samples up to 40 g
- Microbiology: food, pharmaceutical, clinical, veterinary, environmental...

BagMixer® 400 P

- Fixed speed (8 strokes/sec.)
- Variable time (30 - 210 secs. or ∞)
- Also available in CoolMix® version

BagMixer® 400 W

- Window door
- Fixed speed (8 strokes/sec.)
- Variable time (30 - 210 secs. or ∞)
- Security drip tray

BagMixer® 400 VW

- Window door
- Multifunction digital screen
- Variable speed (4, 6, 8, 10 strokes/sec.)
- Variable time (1sec. - 1h or ∞/count-down)
- Variable power, adjustable paddles
- Q-Tight® closing
- Side-by-side paddle stop
- Silent brushless motor
- Security drip tray

BagMixer® 400 CC®

- Window door
- Multifunction digital screen
- Variable speed (4, 6, 8, 10 strokes/sec.)
- Variable time (1sec. - 1h or ∞/count-down)
- Variable power, adjustable paddles
- Q-Tight® closing
- Click & Clean® removable paddles
- Side-by-side paddle stop
- Silent brushless motor
- Security drip tray

Technical specifications

BagMixer® 400	P	W	VW	CC®
Useful volume	50 - 400 ml	50 - 400 ml	50 - 400 ml	50 - 400 ml
Power	220/110V - 50/60Hz	220/110V - 50/60Hz	220/110V - 50/60Hz	220/110V - 50/60Hz
Size (L x W x H)	39 x 26 x 29 cm	39 x 26 x 29 cm	42 x 26 x 26.5 cm	42 x 26 x 26.5 cm
Weight	16.5 kg	16.5 kg	16.5 kg	16 kg
Reference	021 230	022 230	023 230	024 230

Ideal with the sterile bags

BagFilter® *400 ml*

BagPage® *400 ml*

BagLight® *400 ml*

- Silent and resistant
- Variable blending power
- Window door and shock absorbers life-time guarantee
- Easy cleaning: door opens at 270°
- 3 year guarantee

JumboMix® 3500 ml lab blenders

ISO 7218 — 3 YEAR GUARANTEE — LIFETIME SERVICE

The JumboMix® 3500 enables fast blending of large samples for numerous applications in microbiology.

Applications

- Homogenization of all types of samples up to 400 g
- Sterility tests of disposable products
- Research of Trichinella in meat
- Microbiological/chemical detection in fibrous products
- Industrial mixing (powder, polymer...)
- Ideal for E-Coli O157H7
- Risk assessment in drinking water by microscopic particulate analysis
- Extraction of Cryptosporidium and Giardia parasites (blending of water filters and fibers)

JumboMix® 3500 VP

- Multifunction digital screen
- Variable speed (1.5, 3, 4.5, 6 strokes/sec.)
- Variable time (1 sec. - 1h or ∞)
- Variable power, adjustable paddles with on-screen indication
- Q-Tight® closing
- Side-by-side paddle stop

JumboMix® 3500 VW

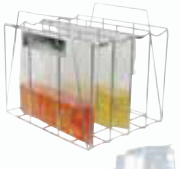
- Window door
- Multifunction digital screen
- Variable speed (1.5, 3, 4.5, 6 strokes/sec.)
- Variable time (1 sec. - 1h or ∞)
- Variable power, adjustable paddles with on-screen indication
- Q-Tight® closing
- Side-by-side paddle stop
- Security drip tray

JumboMix® 3500 WarmMix®

Special Trichinella

- Heated door (20°C to 50°C)
- Multifunction digital screen
- Variable speed (1.5, 3, 4.5, 6 strokes/sec.)
- Variable time (1 sec. - 1h or ∞)
- Variable power, adjustable paddles with on-screen indication
- Q-Tight® closing
- Security drip tray

Discover the JumboMix® accessories!



BagRack®

BagOpen®

(See p.20)

Technical specifications

JumboMix® 3500	VP	VW	WarmMix®
Useful volume	200 - 3500 ml	200 - 3500 ml	200 - 3500 ml
Power	220/110V - 50/60Hz	220/110V - 50/60Hz	220/110V - 50/60Hz
Size (L x W x H)	47 x 52 x 47 cm	47 x 52 x 47 cm	45 x 57 x 41 cm
Weight	58 kg	58 kg	58 kg
Reference	031 230	032 230	033 230

Ideal with the sterile bags

BagFilter® *3500 ml*

BagPage® *3500 ml*

BagLight® *3500 ml*

Option

JumboMix® trolley ref. 037 000

- Silent
- Variable blending power
- Window door and shock absorbers life-time guarantee
- Easy cleaning: door opens at 270°
- 3 year guarantee

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BagMixer® Pack

High-quality and service for every lab:
choose your BagMixer® and combine it with the pack of your choice!

Non-binding photo

Starter Pack

1 BagMixer®

+ **Sterile bags:**
500 BagFilter® + 1000 BagLight®
+ **Accessories:**
50 BagClip® + 1 BagOpen® + 1 BagRack®

Classic Pack

1 BagMixer®

+ **Sterile bags:**
500 BagFilter® + 1000 BagLight®
+ 500 BagPage®
+ **Accessories:**
1 BagOpen® + 1 BagRack® + 50 BagClip®
1 PetriPile® + 1 BagPipet®
1000 BagTips® Regular + 6 Clinet® 101

Premium Pack

1 BagMixer® & 1 BabyGravimat®

+ **Sterile bags:**
1000 BagFilter® + 2000 BagLight®
+ 1000 BagPage®
+ **Accessories:**
1 BagOpen® + 2 BagRack® + 50 BagClip®
2 PetriPile® + 1 BagPipet®
1000 BagTips® Regular + 6 Clinet® 101

BagPipet® & BagTips®

Pipet and sterile tips

BagPipet® is an autoclavable pipet with fixed volume (0.1 ml / 0.9 ml / 1 ml). It is used with BagTips®, a single-use sterile and rigid straw.

BagTips®: its length reaches the bottom of the bag

Autoclavable and calibrated according to the G.L.P (Good Laboratory Practice)

- Economical
- No risk of cross-contamination
- Variable volume (0.1 ml to 1 ml)
- Light and ergonomic
- Autoclavable

BagTips® is available in 2 sizes:
Regular (19 cm)/Jumbo (24 cm)

Technical specifications

	BagPipet®	BagTips® (Reg.)	BagTips® (Jumbo)
Size		190 mm	240 mm
Reference	251 091	252 019	252 024

BagRack®

Storage rack for bags

BagRack® enables clean and methodical storage of bags.

400 ml
Security driptray in option

- Adapted to all bags
- Stackable
- Robust
- Stainless steel
- Autoclavable

Available for bag sizes:
80 ml, 100 ml, 400 ml, 3500 ml

Technical specifications

BagRack®	80/100 ml	400 ml	3500 ml
Size (L x W x H)	27.5 x 12.5 x 14 cm	35.5 x 20.5 x 20 cm	43 x 35 x 37.5 cm
Reference	221 010	221 040	221 350

BagClip®	80/100 ml	400 ml	3500 ml
Quantity per pack	50	50	50
Reference	231 010	231 040	231 350

BagClip®

Closing clip

BagClip® allows a temporarily closing in 3 points of any type of bag.

- Handy and easy-to-use
- Gas and liquid leakproof
- No contact with the sample
- Avoids intermediary weldings
- Robust and long-lasting

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BagOpen®
Bag opener/holder

BagOpen® easily opens the sample bag without any contact with the sample.

Stable and robust!

- Robust
- Stable base
- Unbreakable polycarbonate sides

Available for bag sizes:
80 ml, 100 ml, 400 ml, 3500 ml

Technical specifications

BagOpen®	80/100 ml	400 ml	3500 ml
Volume	80/100 ml	400 ml	3500 ml
Reference	211 010	211 040	211 350

BagSeal®
Thermal sealing unit

BagSeal® allows a wide, tight and clean sealing of any kind of bag (with/without filter) with a perfect leakproof closure guarantee.

- Large welding: 245 mm x 5 mm
- Variable heating time
- Stainless steel
- Welding signal

Technical specifications

BagSeal®	
Power	220/110V - 50/60Hz
Size (L x W x H)	32 x 28 x 35 cm
Weight	11 kg
Reference	261 000

PetriPile®
Petri dish storage stack

PetriPile® ensures safe handling, transport and storing of up to 36 Petri dishes.

- For 16 to 36 dishes
- Stackable
- Autoclavable
- Stainless steel
- AFNOR NF V08-002 standard

Available for dishes of:
ø 55 mm, ø 65 mm, ø 90 mm, ø 150 mm

PetriPile®	Ø 55	Ø 65	Ø 90	Ø 150
Size (L x W x H)	27.5 x 22.5 x 13 cm	30.5 x 22 x 13 cm	37.5 x 25.5 x 13 cm	38 x 35.5 x 13 cm
No. dishes	36	36	36	16
Diameters	55 mm	65 mm	90 mm	150 mm
Reference	241 055	241 065	241 090	241 150

Spiral® System: 30 years of experience

"Solutions to save as much time as possible for creative work"

Dr. Ed Campbell inventor of the Spiral® method

François Jalenques and Dr. Ed Campbell

Automatic plating

In 1973 Dr. Ed Campbell, researcher at the FDA[1], invented the **Spiral®** method to automate the routine work of bacterial enumeration.

With François Jalenques, physicist and founder of interscience, they developed this process and had it patented in 1992 for more efficient and quick analyses[2]. 3rd generation of interscience automatic platers, easy**Spiral®** plates 1 dish without successive dilutions nor intermediary incubations, with a sensitivity from 30 to 10 million CFU/ml on 1 Petri dish.
easy**Spiral®** offers great advantages:

- No risk of cross contamination
- Standardized operations
- Reliable, accurate and quick results
- Reduction of 75% of time, steps and consumables

AFNOR V08-100 Standard

The Spiral® technology, validated by A.O.A.C[3] and AFNOR[4] V08-100 standards as the official technique to examine food and cosmetic production, quickly became a reference for various applications such as food microbiology, medical bacteriology, research on preservatives and the cosmetological sector.

Full cycle in 25 seconds

With a new design and new patents, easy**Spiral®** is the 3rd generation of interscience spiral platers. Its rotating arm architecture enables the fastest plating cycle in the world, in only 25 seconds.

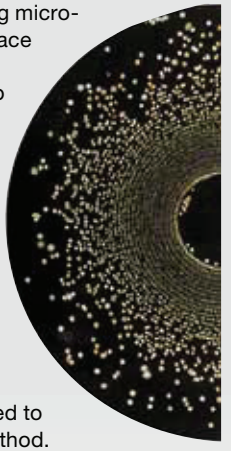
[1] Food and Drug Administration, USA
[2] Scientifiques publications available for consultation
[3] American Organization of Analysis Control
[4] French Association of Certification

1979
Spiral® DS

1996
Spiral® DS+

2010
easy**Spiral®**

Principle of the Spiral® method:



The sample is deposited by a precise measuring micro-pump on the surface of a rotating Petri dish, according to a logarithmically decreasing Archimedes spiral from the center of the dish to its periphery. According to the setting, the plating corresponds to 3 or 4 dilutions compared to the traditional method. The volume is calibrated and known at every point of the Petri dish. After incubation, the colonies appear as a spiral trace on the dish. Counting can be done manually with a counting grid or a Scan® 100, or automatically with a colony counter such as interscience Scan® 300, Scan® 500 or Scan® 1200.

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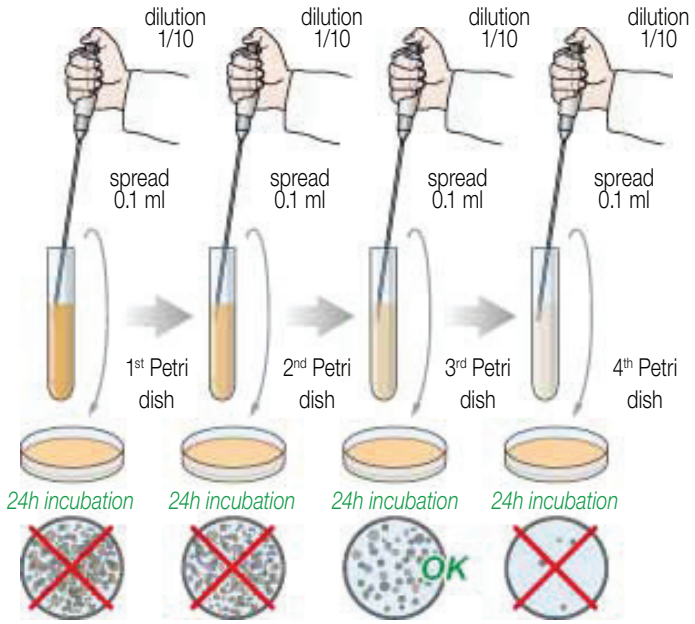
Spiral® Why choose the Spiral® method

ISO 7218 | AFNOR V08-100

The Spiral® method enables increased analysis capacity in the lab. It allows a standardized bacterial plating with a sensitivity of 30 to 10 million CFU/ml on 1 Petri dish. No need for serial dilutions.

Manual plating method

This method requires repetitive actions: at least **4 dilutions** and **4 successive platings** are necessary to obtain one good and readable Petri dish.



Automatic Spiral® method

With this method, make your analysis on **1 single Petri dish!**

- *30 to 10 million CFU/ml on 1 single Petri dish*
- *Less consumables: up to 75% savings!*
- *Full plating cycle in 25 seconds!*

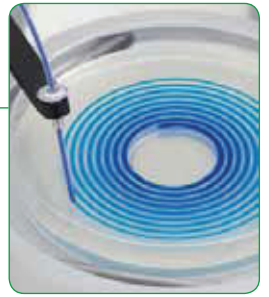
easySpiral® A revolutionary efficiency

A sensitivity of 30 to 10 millions CFU/ml on only 1 Petri dish!

PATENTED

Full plating cycle in 25 seconds

- High speed rotating arm
- Patented electronic robotized system
- 10 Petri dishes plated in less than 2 minutes with a same sample



PATENTED

Guaranteed hygiene

- No cross contamination
- Disinfection system by overflow (patented)
- 600 cleaning cycles without changing bottles (2L)
- Easy connection with the bottles
- 8 bars pressure in the stylus

Consumables: up to 75% savings!

- Reduce your budget of consumables
- Reduce your waste
- More space in your lab
- Use the same stylus for each sample

Programmable volumes and traceability*

- Easy PC connection via USB
- Programmable volume: from 10 to 1000 microliters
- 3 preset plating modes
- Monitoring software with traceability

* easy**Spiral® Pro**

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easySpiral® Automatic platers

New

ISO 7218 | AFNOR V08-100

LIFETIME SERVICE

The high-performance automatic plater, easySpiral®, guarantees a standardized and programmable plating without successive dilutions of the sample in 25 seconds only.

Applications

- Microbiological analyses
- Food quality controls
- Bacterial cinetics controls
- MIC controls of antibiotics
- Cosmetic controls (challenge test)
- Pharmaceutical controls

easySpiral®

- Controlled by microprocessor
- Petri dish diameter: 90 mm
- Dispensed volume: 50 or 100 µl
- Detection in CFU/ml: from 300 to 1.3 x 10^5 CFU/ml
- Deposition mode: exponential and circle

easySpiral® Pro

- Controlled by microprocessor
- Petri dish diameter: from 90 to 150 mm
- Dispensed volume: 50, 100 or 200 µl
- Detection in CFU/ml: from 30 to 1 x 10^7 CFU/ml
- Deposition mode: exponential, circle and uniform
- Programmable volumes via USB: from 10 to 1000 µl

Increase your lab capacity with the **Plate & Count System®.**

(See p.31)

Delivered with: 1000 sterile beakers, 1 blue dye for testing/1 liquid detergent/3 sets of connectors for autoclavable GL45 bottles/spiral counting grid: 90 mm & 150 mm* container stand for testing/power cable/user manual/150 mm Petri dish ring*/software on a cd-rom*/USB cable*. (*only for easySpiral® Pro)

Technical specifications

	easySpiral®	easySpiral® Pro
Power	220/110V - 50/60Hz	220/110V - 50/60Hz
Size (L x W x H)	38 x 41 x 29 cm	38 x 41 x 29 cm
Weight	15.3 kg	15.3 kg
Reference	412 000	413 000

Options

Housing protection for working outside laminar flow ref. 413 001

Beakers Spiral® DB 50 (5ml) ref. 415 100

Bottle for easySpiral® ref. 413 002

Barcode reader ref. 522 000

- Sensitivity: from 30 to 10 million CFU/ml
- Full cycle in 25 seconds
- Patented disinfection system
- Programmable volumes via USB
- Costs reduced up to 75%

Scan® 100 Manual colony counter

Scan® 100 is a manual colony counter equipped with a LED lighting system and an ergonomic hand rest. The Dark Field technology provides indirect, accurate and contrasted lighting of the colonies.
Its USB port ensures traceability by exporting the results without prior sofware installation and with an error-free export.

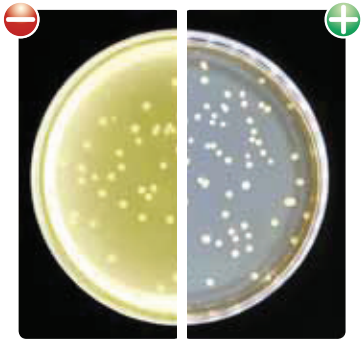
LIFETIME SERVICE

Specifications

- Adjustable sensitivity of tactile surface
- For all Petri dishes: ø 55, 65, 90, 150 mm
- Multifunction digital screen
- Counting: from 0 to 1999 CFU
- USB port: easy data transfer via any software (PC/Mac)
- Dark Field technology for a contrasted view of the colonies
- Ajustable counting beeps: 4 levels of sound
- Adjustable LED intensity
- Adapted to any pen
- Built-in storage rack

Comparison of a standard lighting and the Scan® 100 lighting

Standard neon lighting: the light is diffused, the agar and colonies become yellowish. As a result: the contrast is imperfect. **The colonies are difficult to count.**



Dark Field technology: the light is diffused, the colony is perfectly lit on a dark background. As a result: the lighting is accurate and the contrast is optimal. **The colonies are easy to count.**

High technology: Dark Field, USB, LIMS

Traceability: XLS

Delivered with: user manual/white background plate/ 90 mm Petri dish adapter/power cable/USB cable

Technical specifications

Scan® 100	
Power	100-240 V - 50-60Hz
Size (L x W x H)	31 x 25 x 17 cm
Weight	5.2 kg
Reference	435 000

Options

Magnifying glass + arm
ref. 435 001

Spiral® kit: transparent and white counting grid
ref. 435 010

Wolffhuegel grid
ref. 435 020

Adapter for Petrifilm™, RIDA™ Count / Sanita-kun™, Compact Dry™
ref. 435 002

- All stainless steel, very robust
- Long lasting white LEDs, adjustable intensity
- Dark Field lighting
- Ergonomic hand rest
- Instant export of results via USB

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Scan® 300 Automatic colony counter

3 YEAR GUARANTEE

LIFETIME SERVICE

Scan® 300 is an automatic colony counter with the essential features to start the automatic colony counting and is specifically designed for environments of food microbiology (PCA, VRBG, MRS...).

Minimum size of detected colony: 0.1 mm

Specifications

- CCD color camera, zoom x7
- 6 combinations of lighting and backgrounds
- Brightness, contrast and sensitivity are automatically optimized by the software
- Minimum size of detected colony: 0.1 mm
- Automatic separation of clustered colonies
- Creation of polygonal exclusion zones
- Long lasting LED lighting
- Export of data to Excel™, PDF
- Software in French, English, Japanese, Chinese, Russian

Counts on

Petri dish Spiral® plating

High technology: Dark Field, USB, LIMS

Traceability: XLS, JPG, BMP, PDF

Delivered with: Scan® software CD-ROM/user manual/Firewire adapter: PCI, PCMCIA, Expresscard, 6/4pins

Technical specifications

Scan® 300	
Resolution	640 x 480 pixels
Power	100-240 V - 50-60Hz
Size (L x W x H)	27 x 27 x 29 cm
Weight	6.6 kg
Reference	436 300

Options

Barcode reader
ref. 522 000

Adapter for
55 mm dishes
ref. 436 005

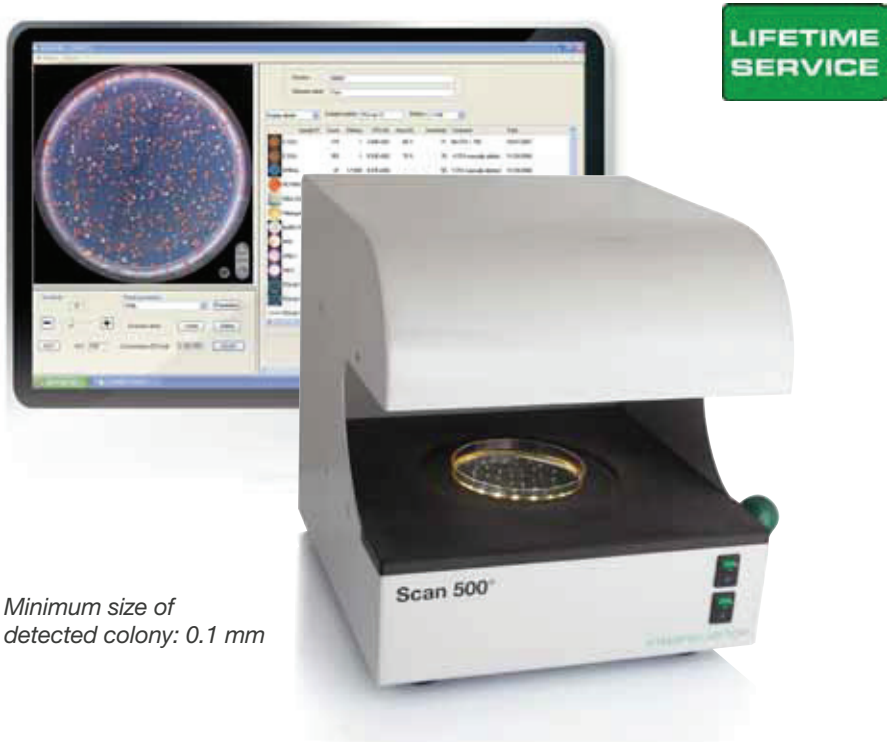
- Instant results
- Traceability: automatic saving of images and results
- LIMS connection and barcode reader
- Data export to Excel™
- Minimum size of detected colony: 0.1 mm

Scan® 500 Automatic colony counter

3 YEAR GUARANTEE

LIFETIME SERVICE

Scan® 500 is an automatic color colony counter providing quick and efficient counting of the colonies on the most common supports. Scan® 500 guarantees an excellent reproducibilty and the automatic saving of images and results.



Minimum size of detected colony: 0.1 mm

Specifications

- Color CCD camera, zoom x7
- 6 combinations of lighting and backgrounds
- Detects and counts up to 7 colors on the same dish
- Brightness, contrast and sensitivity are automatically optimized by the software
- Adapts itself to any kind of agar
- Minimum size of detected colony: 0.1 mm
- Automatic separation of clustered colonies
- Creation of polygonal exclusion zones
- Long lasting LED lighting
- Software in French, English, Japanese, Chinese, Russian

Counts on

Petri dish | Spiral® plating | Chromogenic Petri dishes | Antibiogram

High technology: COLOR DETECTION, Dark Field, USB, LIMS

Traceability: XLS, JPG, BMP, PDF

Delivered with: Scan® software CD-ROM/user manual/Firewire adapter: PCI, PCMCIA, Expresscard, 6/4pins

Technical specifications

Scan® 500	
Resolution	640 x 480 pixels
Power	100-240 V - 50-60Hz
Size (L x W x H)	27 x 27 x 29 cm
Weight	6.6 kg
Reference	436 000

Options

Barcode reader
ref. 522 000

Adapter for 55 mm dishes
ref. 436 005

- Instant results
- Traceability: automatic saving of all data, images and results
- Barcode reader and LIMS connection
- Data export to Excel™
- Minimum size of detected colony: 0.1 mm

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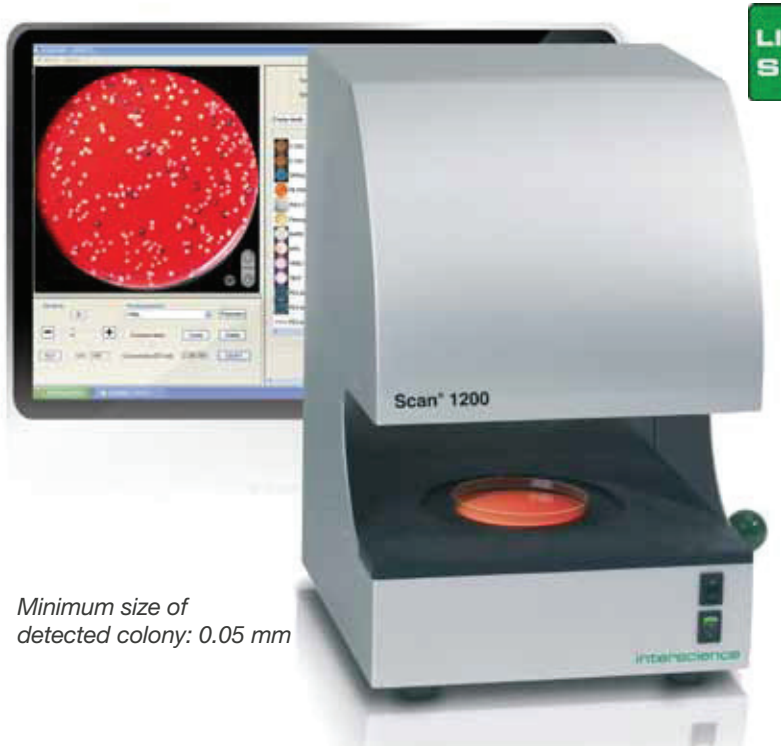
Scan® 1200 Automatic colony counter

3 YEAR GUARANTEE

LIFETIME SERVICE

Scan® 1200, high resolution automatic color colony counter, enables an adaptability to all media in labs and a great user comfort with high accuracy, an excellent reproducibility and automatic saving of images and results.



Minimum size of detected colony: 0.05 mm

Specifications

- HD color CCD camera, zoom x28
- 6 combinations of lighting and backgrounds
- Detects and counts up to 7 colors on the same dish
- Brightness, contrast and sensitivity are automatically optimized by the software
- Adapts itself to any kind of agar
- Minimum size of detected colony: 0.05 mm
- Automatic separation of clustered colonies
- Creation of polygonal exclusion areas
- Long lasting LED lighting
- Software in French, English, Japanese, Chinese, Russian

Counts on

Petri dish | Spiral® plating | Chromogenic Petri dishes | Antibiogram | Petrifilm® | RIDA™ COUNT Sanita-kun™ | Compact Dry™ | Filtration membrane

High technology: COLOR DETECTION | Dark Field | USB | LIMS

Traceability: XLS | JPG | BMP | PDF

Delivered with: Scan® software CD-ROM/user manual/Firewire adapter: PCI, PCMCIA, Expresscard, 6/4pins

Technical specifications

Scan® 1200	
Resolution	1280 x 960 pixels
Power	100-240 V - 50-60Hz
Size (L x W x H)	27 x 27 x 38 cm
Weight	8.7 kg
Reference	437 000

Options

Barcode reader ref. 522 000

Adapter for Petrifilm™ ref. 436 002

Adapter for RIDA™ COUNT/ Sanita-kun™ ref. 436 001

Adapter for Compact Dry™ ref. 436 004

Adapter for 55 mm dishes ref. 436 005

- Instant results
- Traceability: automatic saving of all data, images and results
- Barcode reader and LIMS connection
- Data export to Excel™
- Minimum size of detected colony: 0.05 mm

Scan® Software

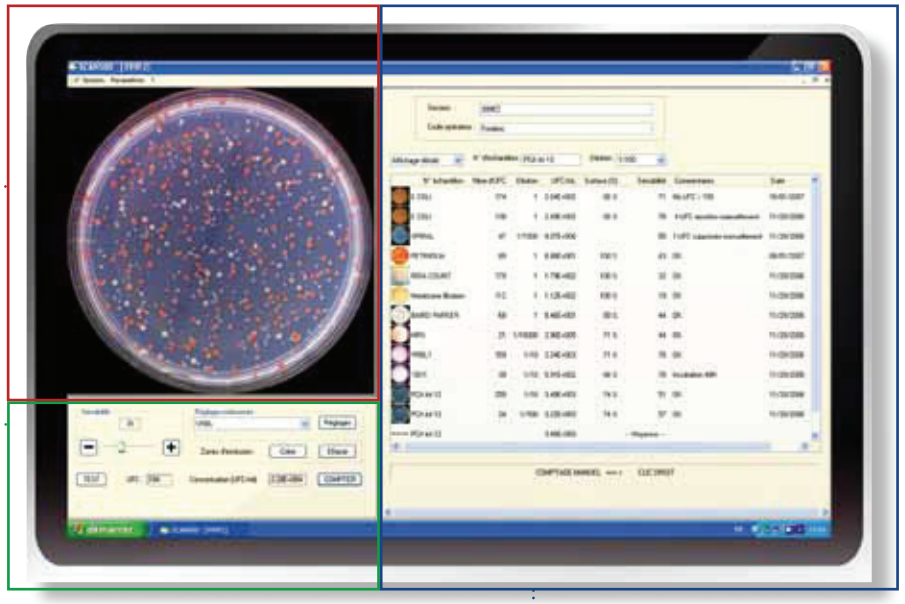
FREE DEMO VERSION www.interscience.fr

In 1 click the detected colonies are marked with a cross and counted. The images and results are automatically saved and can be checked and re-counted anytime.

Visualization window
Detected colonies are highlighted and marked with a cross.

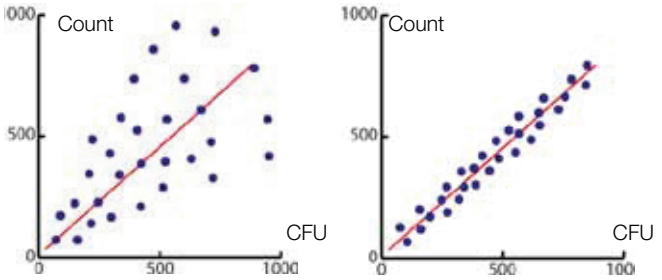
Parameters window
Only one cursor to optimize counting. Customizable settings adaptable to any kind of agar.

Results window
All previously recorded data can be checked anytime.



Reproducible results

Each count is standardized for a maximum reproducibility (study available on demand).



MANUAL COUNTING SCAN® COUNTING

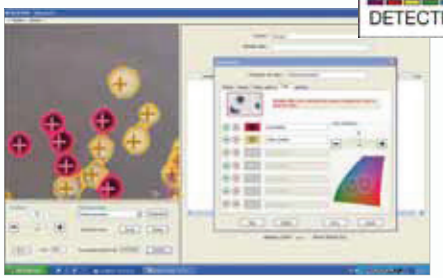
Security of the sessions

The counting sessions are secured by a **security code** per operator and the saving of each counting is unalterable. Compliant with **CFR 21 part 11**:
- security of the systems
- operational controls
- documentation management.

CFR 21 part 11

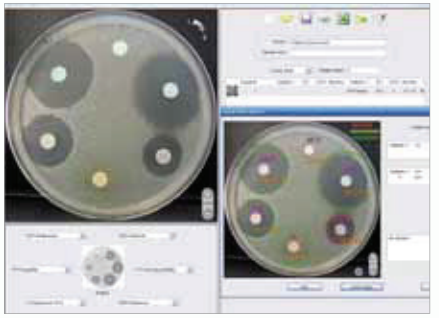
Chromogenic environments

COLOR DETECTION



The Scan® software detects and counts up to **7 different colors** on the same dish. Save your parameters for the next counting in chromogenic environments.

Antibiogram analysis



The **inhibition zone** measurement gives immediate results for the testing of the effectiveness of antibiotics by measuring the diameter of its action.
The R.I.S results (Resistant / Intermediate / Susceptible) are given immediately by color.

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Plate & Count System®

The Plate & Count System® offers you quick, standardized, consistent and traceable results. It also plates and counts colonies automatically.

It includes:
- **easySpiral®: automatic platers**
- **Scan®: automatic colony counters**

Benefits

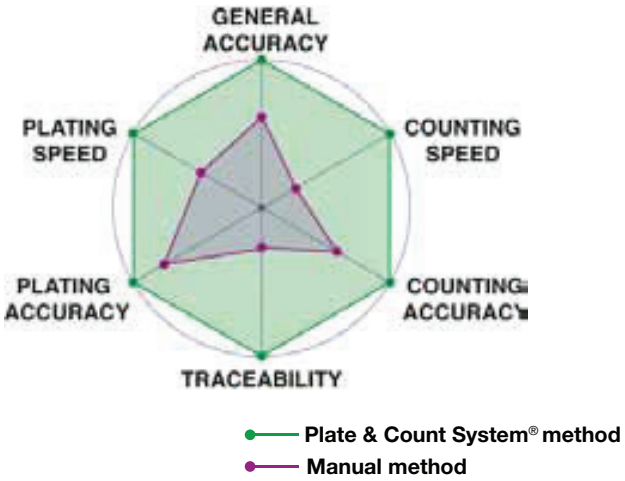
1 Incredible savings:
Save up to 75% in time, consumables and bench space

2 Fast:
Full plating cycle in 25 seconds and counting in 1 click

3 Reliable:
98% repeatable and reproducible results

4 Total traceability:
Automatic data saving and reporting

Method comparison



***Increase** your lab capacity!*

easySpiral® Pro and Scan® 1200

Consumables: up to 75% savings!

Clinet® Disinfection range

For the cleaning and disinfection of any object or equipment.

Applications

- Laboratory: lab equipment, glassware, benchtops, small instruments, hands...
- Hospital: disinfection and cleaning of the skin before injection and surgery...
- Food production sites

Clinet® 101
Disinfection wipes

- Bactericidal/Fungicidal/Virucidal
- Ideal for laboratories, hospitals, sample takers, domestic use
- Hypoallergenic, without aldehyde and without quaternary ammonium
- Bottle dispenser of 120 wipes
- Wipe size: 13 x 20 cm

Clinet® 202
Disinfecting wipes in individual pack

- Bactericidal/Fungicidal/Virucidal
- Ideal for laboratories, hospitals, sample takers, traveling, daily hygiene
- Hypoallergenic, with chlorexidine digluconate
- Individual pack, by pack of 100
- Wipe size: 26 x 18 cm

Clinet® 303
Bactericidal and fungicidal spray ready to use

- Bactericidal/Fungicidal
- Ideal for large surfaces, bench tops, floors, rough or uneven surfaces, inaccessible areas...
- Alcohol-based preparation of glutaraldehyde, glyoxal and dimethyl-didecyl ammonium chloride
- Bottlespray, no rinsing necessary
- Capacity: 1 liter

Clinet® 404 SaniFood®
Disinfecting wipes for food environment

- Bactericidal/Levuricidal
- For food industry professionals: disinfection of all surfaces and materials in contact with food
- Alcoholic solution (ethanol 48% v/v) and water
- Bottle dispenser of 70 wipes
- Wipe size: 20 x 20 cm

Technical specifications

Clinet®	101	202	303	404 Sanifood	Anti-algue	10 hands
Volume	120 wipes	individual	1L	70 wipes	1L	75 ml
Box of	6	100	6	12	1	20
Reference	310 101	310 202	310 303	310 404	310 400	310 010

Discover also

Clinet® Anti-Algae
For laboratory water baths
ref. 310 400

Clinet® 10 Hands
Antibactericidal gel
ref. 310 010

- Disinfection without rinsing
- All surfaces
- Multi-use
- Hypoallergenic
- Bactericidal/Fungicidal/Virucidal

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Anabac® Autoclave deodorant

Anabac® provides a nice and fresh perfume in the lab after autoclaving.
Choose between 5 fragances!

Applications

- Your work environment is nicely perfumed
- Melts without residue and has no effect on the disinfection process of the autoclave

Classic
Strong fragrance

Mint and eucalyptus extracts

Poma
Fresh fragrance

Apple extracts

Citrus
Tonic fragrance

Lemon extracts

Floral
Spring fragrance

Flower extracts

Peach
Sweet fragrance

Peach extracts

Fresh perfume in your lab!

The autoclave smells bad.

Drop 1 capsule in the autoclave water or in a recipient with water.

The air is purified with Anabac®

Technical specifications

Anabac®	Classic	Poma	Citrus	Floral	Peach
Pot of	100	100	100	100	100
Reference	320 100	320 200	320 300	320 400	320 500

- Work comfort
- Compatible with any autoclave
- Totally safe for autoclaving
- French perfume
- 100% biodegradable

Product specifications

Order by pallet to save money

STERILE BAGS	Reference	Sales unit	Sterile by	Nominal vol.	Useful vol.	Box dim.	Gross weight
Bagfilter®: sterile side filter blender bags							
BagFilter® 400 P (x10)	111 410	500	10	400 ml	50 - 300 ml	35 x 22 x 15 cm	5.8 kg
BagFilter® 400 P (x25)	111 425	500	25	400 ml	50 - 300 ml	35 x 22 x 15 cm	5.0 kg
BagFilter® 400 P non-marked	111 000	500	25	400 ml	50 - 300 ml	35 x 22 x 15 cm	5.0 kg
BagFilter® 400 S (x10)	112 410	500	10	400 ml	50 - 300 ml	35 x 22 x 15 cm	5.4 kg
BagFilter® 400 S (x25)	112 425	500	25	400 ml	50 - 300 ml	35 x 22 x 15 cm	5.0 kg
BagFilter Pull-Up® (x25)	111 625	500	25	400 ml	50 - 300ml	34 x 22 x 12 cm	5.3 kg
BagFilter® 3500 P	113 510	100	10	3500 ml	200 - 2000 ml	36 x 25 x 21 cm	4.0 kg
BagPage®: sterile full-surface filter blender bags							
BagPage® 80	120 825	500	25	80 ml	5 - 40 ml	34 x 22 x 12 cm	2 kg
BagPage® 100	121 025	500	25	90 ml	5 - 40 ml	34 x 22 x 12 cm	2 kg
BagPage® + 400 (x10)	122 010	500	10	400 ml	50 - 300 ml	34 x 22 x 26 cm	6 kg
BagPage® + 400 (x25)	122 025	500	25	400 ml	50 - 300 ml	34 x 22 x 26 cm	5.7 kg
BagPage® + 400 non-marked	122 000	500	25	400 ml	50 - 300 ml	34 x 22 x 26 cm	6 kg
BagPage® 400 F	122 325	500	25	400 ml	50 - 300 ml	34 x 22 x 26 cm	6 kg
BagPage® 400 R	161 025	500	25	400 ml	50 - 300 ml	34 x 22 x 26 cm	6 kg
BagPage® 400 U	122 225	500	25	400 ml	50 - 300 ml	34 x 22 x 26 cm	6 kg
BagPage® + 400 XR	122 425	400	25	400 ml	50 - 300 ml	34 x 22 x 26 cm	6.5 kg
BagPage® 3500	123 010	100	10	3500 ml	200 - 2000 ml	36 x 25 x 21 cm	5 kg
BagLight®: plain blender bags							
BagLight® 100 PolySilk®	131 025	500	25	100 ml	5 - 50 ml	35 x 24 x 9 cm	1.7 kg
BagLight® 400 PolySilk®	132 025	1000	25	400 ml	50 - 300 ml	35 x 21 x 11 cm	8 kg
BagLight® 400 HD PolySilk®	132 325	1000	25	400 ml	50 - 300 ml	35 x 21 x 11 cm	8 kg
BagLight® 400 Multilayer®	132 225	500	25	400 ml	50 - 300 ml	35 x 21 x 11 cm	5 kg
BagLight® 400 Multilayer® U	132 125	500	25	400 ml	50 - 300 ml	35 x 21 x 11 cm	5 kg
BagLight® 3500 PolySilk®	133 025	500	25	3500 ml	200 - 2000 ml	40 x 30 x 18 cm	14 kg
RollBag®: sampling blender bags							
RollBag® 450	145 010	1000	1	450 ml	5 - 50 ml	34 x 28 x 11 cm	4.5 kg
RollBag® 1300	145 040	500	1	1300 ml	50 - 300 ml	34 x 28 x 11 cm	4.2 kg

GRAVIMETRIC DILUTORS	Reference	Sales unit	Specifications	Box dim.	Gross weight
BabyGravimat & Gravimat®: gravimetric dilutors					
BabyGravimat® 1 pump	500 230	1	Gravimetric dilutor 1 pump	52 x 52 x 38 cm	7.8 kg
BabyGravimat® 2 pumps	502 230	1	Gravimetric dilutor 2 pumps	52 x 52 x 38 cm	9.2 kg
Gravimat® 1 pump	510 230	1	Gravimetric dilutor 1 pump	56 x 42 x 42 cm	18.5 kg
Gravimat® 2 pumps	512 230	1	Gravimetric dilutor 2 pumps	69 x 58 x 58 cm	25 kg

GRAVIMETRIC DILUTORS	Reference	Sales unit	Specifications	Box dim.	Gross weight
BabyGravimat® & Gravimat®: accessories					
Booster kit	511 000	1	Booster kit + dispensing assembly	39 x 17 x 15 cm	1.1 kg
Printer	521 000	1	Printer + 2 rolls	37 x 35 x 25 cm	4 kg
Adhesive label rolls	521 012	2	Thermal paper roll	20 x 10 x 10 cm	1.2 kg
Paper	512 110	2	Thermic paper roll for printer	25 x 10 x 10 cm	1.5 kg
Barcode reader	522 000	1	Barcode reader	39 x 27 x 15 cm	1 kg
500 g COFRAC weight	513 005	1	500 g certified class F1 COFRAC	25 x 10 x 10 cm	0.8 kg
Bottle	513 001	1	Autoclavable 5L bottle	37 x 35 x 25 cm	2.5 kg
Small blender bag stand	514 001	1	Stand and base for 80 ml and 100 ml blender bags	39 x 21 x 15 cm	1.1 kg
Air filter	513 007	5	0.2 µm PTFE autoclavable filter	26 x 21 x 11 cm	0.5 kg
Dispensing assembly for booster kit	513 006	1	Silicone tubings + stainless steel tube + filter + nozzle +"Y"	39 x 27 x 15 cm	0.7 kg
Small dispensing assembly for booster kit	513 008	1	Small silicone tubings + stainless steel tube + filter + nozzle +"Y"	39 x 27 x 15 cm	0.7 kg
Dispensing assembly	513 003	1	Silicone tubings + stainless steel tube + filter + nozzle+ raccord	39 x 27 x 15 cm	0.7 kg
Small silicone tubings for Booster	513 009	5	5 dispensing small tubings + "Y"	39 x 27 x 15 cm	0.9 kg
Silicone tubings for Booster	513 010	5	5 dispensing tubings + "Y"	39 x 27 x 15 cm	0.9 kg
Silicone tubings	513 004	5	5 dispensing tubings	39 x 27 x 15 cm	0.9 kg
Set of silicone tubings for pump	513 011	5	5 silicone tubing for peristaltic pump (20 cm each)	26 x 21 x 11 cm	0.2 kg
Set of silicone tubings for booster kit	513 019	5	5 silicone tubing for peristaltic pump (20 cm each)	26 x 21 x 11 cm	0.2 kg
Dispensing arm	513 002	1	For operation in air-flow cabinet	33 x 10 x 10 cm	0.4 kg
BagOpen® 400	514 040	1	Stand for 400 ml bags fo Gravimat®	34 x 22 x 12 cm	0.6 kg
BagOpen® 100	514 010	1	Stand for 100 ml bags fo Gravimat®	34 x 22 x 12 cm	0.6 kg
Dispensing platform	513 012	1	Round weighing platform for distribution	15 x 15 x 6 cm	0.4 kg
stand for broth bags	513 013	1	Integrated stand for broth bags	56 x 42 x 42 cm	3 kg
Adjustable arm	513 014	1	For use with other containers	34 x 22 x 12 cm	0.8 kg
Stand for broth bags	513 015	1	Independant stand for broth bags	59 x 37 x 29 cm	2.5 kg

LAB BLENDERS	Reference	Sales unit	Specifications	Box dim.	Gross weight
MiniMix® 100: 100 ml lab blenders *(delivered with BagFilter® samples)*					
MiniMix® 100 P CC®	011 230	1	Plain door, adjustable speed, Click & Clean® paddles	48.5 x 28.5 x 30 cm	12 kg
MiniMix® 100 W CC®	013 230	1	Window door, adjustable speed, drip tray, Click & Clean® paddles	48.5 x 28.5 x 30 cm	12 kg
BagMixer® 400: 400 ml lab blenders *(delivered with BagFilter® samples)*					
BagMixer® 400 P	021 230	1	Plain door	48 x 33.5 x 33.5 cm	16.6 kg
BagMixer® 400 W	022 230	1	Window door, drip tray	48 x 33.5 x 33.5 cm	16.4 kg
BagMixer® 400 VW	023 230	1	Window door, adjustable speed, adjustable paddles, drip tray	48 x 33.5 x 33.5 cm	16.5 kg
BagMixer® 400 CC®	024 230	1	Window door, adjustable speed, adjustable paddles, drip tray, Click & Clean® paddles	48 x 33.5 x 33.5 cm	16.2 kg
JumboMix® 3500: 3500 ml lab blenders *(delivered with BagFilter® samples)*					
JumboMix® 3500 P	031 230	1	Plain door, digital screen, adjustable speed, adjustable paddles	60.5 x 56.5 x 55 cm	53.5 kg
JumboMix® 3500 VW	032 230	1	Window door, digital screen, adjustable speed, adjustable paddles, drip tray	60.5 x 56.5 x 55 cm	50.5 kg
JumboMix® 3500 WarmMix®	033 230	1	Plain door, digital screen, adjustable speed, adjustable paddles, regulated temperature up to 50°C	60.5 x 56.5 x 55 cm	61 kg
JumboMix® trolley	037 000	1	Ergonomic trolley for JumboMix® 3500	60 x 52 x 26 cm	16 kg

ACCESSORIES	Reference	Sales unit	Specifications	Box dim.	Gross weight
Bagtools®: laboratory accessories					
BagOpen® 80 / 100	211 010	1	100 ml bag opener/holder	9 x 4 x 19 cm	0.2 kg
BagOpen® 400	211 040	1	400 ml bag opener/holder	10 x 8 x 25 cm	0.4 kg
BagOpen® 3500	211 350	1	3500 ml bag opener/holder	32 x 17 x 25 cm	1.6 kg
BagPipet®	251 091	1	Autoclavable pipet with fixed volume: 0.1 ml/0.9 ml/1ml with BagTips®	31 x 10 x 6 cm	0.3 kg
BagTips® Regular	252 019	1000	Sterile rigid straw radiosterilized by 25 (19 cm)	27 x 23 x 12 cm	1.2 kg
BagTips® Jumbo	252 024	1000	Sterile rigid straw radiosterilized by 25 (24 cm)	27 x 23 x 12 cm	1.5 kg
BagClip ® 80 / 100	231 010	50	Closing clips for 80 ml and 100 ml bags	18 x 14 x 7 cm	0.6 kg
BagClip ® 400	231 040	50	Closing clips 19.5 cm (for 400 ml bags)	24 x 17 x 8 cm	0.7 kg
BagClip® 3500	231 350	50	Closing clips 39.5 cm (for 3500 ml bags)	50 x 21 x 6 cm	1.4 kg
BagRack® 80 / 100	221 010	1	Stainless steel stackable storage rack for 11 bags of 80/100 ml	28 x 15 x 16 cm	0.8 kg
BagRack® 400	221 040	1	Stainless steel stackable storage rack for 10 bags of 400 ml	36 x 23 x 22 cm	1.4 kg
BagRack® 3500 - 2	221 352	1	Stainless steel stackable storage rack for 2 bags of 3500 ml	42 x 23 x 21 cm	1.5 kg
BagRack® 3500 - 4	221 350	1	Stainless steel stackable storage rack for 4 bags of 3500 ml	51 x 41 x 42 cm	3.5 kg
DripTray BagRack® 400	221 042	1	Stainless steel security drip tray for BagRack® 400	36 x 22.4 x 3 cm	200 g
DripTray MiniMix®	016 000	1	Stainless steel security drip tray for MiniMix®	17.5 x 10 x 2 cm	0.2 kg
DripTray BagMixer® 400	026 000	1	Stainless steel security drip tray for BagMixer® 400	23 x 12 x 2.3 cm	330 g
DripTray JumboMix®	036 000	1	Stainless steel security drip tray for JumboMix®	46 x 12.5 x 2.5 cm	0.6 kg
BagSeal® 400	261 000	1	Thermal sealing unit for bags	34 x 29 x 27 cm	10.5 kg
PetriPile® 55	241 055	1	Stainless steel storage rack for 36 Petri dishes of ø 55 mm	29 x 23 x 15 cm	1 kg
PetriPile® 65	241 065	1	Stainless steel storage rack for 36 Petri dishes of ø 65 mm	31 x 23 x 15 cm	1 kg
PetriPile® 90	241 090	1	Stainless steel storage rack for 36 Petri dishes of ø 90 mm	39 x 27 x 15 cm	1.2 kg
PetriPile® 150	241 150	1	Stainless steel storage rack for 16 Petri dishes of ø 150 mm	38 x 37 x 16 cm	1.2 kg

AUTOMATIC PLATERS	Reference	Sales unit	Specifications	Box dim.	Gross weight
Spiral® System: easySpiral® plater					
easy**Spiral®**	412 000	1	Spiral® plater	60 x 50 x 55 cm	25 kg
easy**Spiral® Pro**	413 000	1	Spiral® plater with port USB	60 x 50 x 55 cm	25 kg
Housing protection	413 001	1	For working outside laminar flow	59 x 37 x 29 cm	3 kg
Annual maintenance kit	413 007	1	1 stylus, 1 syringe, 1 silicone tubings kit, 1 grease tube	25 x 20 x 10 cm	2 kg
Spiral® DB 50 beakers	415 100	1	Sterile beakers for Spiral® plater	34 x 22 x 12 cm	1.5 kg
Detergent solution	415 510	1	DET 500 detergent for Spiral® plater	12 x 10 x 8 cm	0.2 kg
Blue dye	415 530	1	Blue dye for testing (125 ml)	12 x 10 x 8 cm	0.2 kg
Connection set for GL45 bottle	413 003	1	Connection set for autoclave GL45 bottle	12 x 10 x 8 cm	0.2 kg
Syringe	413 004	1	Syringe (volume 1000 µl)	25 x 10 x 10 cm	0.2 kg
Stylus	413 013	1	Complete stylus	25 x 10 x 10 cm	0.5 kg
90 mm counting grid	413 014	1	Counting grid for ø 90 mm Petri dishes	25 x 10 x 10 cm	0.3 kg
150 mm counting grid	413 015	1	Counting grid for ø 150 mm Petri dishe	25 x 20 x 10 cm	0.3 kg
Bottles for easySpiral®	413 002	1	3 bottles of 2L with GL45 heads	37 x 37 x 37 cm	5 kg
Micro vacuum pump	413 005	1	Cleaning pump assembly	12 x 10 x 8 cm	0.3 kg

AUTOMATIC PLATERS	Reference	Sales unit	Specifications	Box dim.	Gross weight
Silicone tubing kit	413 006	1	Silicone tubing with filter for cleaning pump	12 x 10 x 8 cm	0.2 kg
Barcode reader	522 000	1	Barcode reader	39 x 17 x 8 cm	1 kg

COLONY COUNTERS	Reference	Sales unit	Specifications	Box dim.	Gross weight
Scan® : colony counters					
Scan® 100	435 000	1	Colony counter	49 x 39 x 39 cm	8 kg
Spiral® kit	435 010	1	Background and grid for ø 90 and 150 mm spiral plated dishes	16.5 x 16 x 6.5 cm	0,2 kg
Magnifying glass with flexible arm	435 001	1	Magnifying glass + flexible arm for Scan® 100	26 x 16.5 x 10.5 cm	0.8 kg
Multimedia adapter	435 002	1	Adapter for Petrifilm™, RIDA™ Count/Sanita-kun™, Compact Dry™	16.5 x 16 x 6.5 cm	0.25 kg
Wolffhuegel grid	435 020	1	Wolffhuegel counting grid	16.5 x 16 x 6.5 cm	0.2 kg
Scan® 300	436 300	1	Colony counter	49 x 39 x 39 cm	10 kg
Scan® 500	436 000	1	Colony counter	49 x 39 x 39 cm	10 kg
Scan® 1200	437 000	1	High definition automatic colony counter	42 x 42 x 56 cm	13 kg
Barcode reader	522 000	1	Barcode reader	39 x 17 x 8 cm	1 kg
Petrifilm™ adapter	436 002	1	Adapter for Petrifilm™	25 x 15 x 10 cm	8 kg
RIDA™ COUNT / Sanita-kun™ adapter	436 001	1	Adapter for RIDA COUNT™ and Sanita-kun™	25 x 15 x 10 cm	0.2 kg
Compact Dry™ adapter	436 004	1	Adapter for Compact Dry™	25 x 15 x 10 cm	0.2 kg
Adaptater for 55 mm dishes	436 005	1	Adapter for dishes of ø 55 mm	25 x 15 x 10 cm	0.2 kg

DISINFECTION	Reference	Sales unit	Specifications	Box dim.	Gross weight
Clinet®: disinfectants					
Clinet® 10 hands	310 010	20	Disinfecting gel for hands	24 x 12 x 13 cm	1.7 kg
Clinet® 101	310 101	6	Dispenser of 120 disinfecting wipes	26 x 18 x 18 cm	2 kg
Clinet® 202	310 202	100	Dispenser wipes in individual wipes	26 x 22 x 11 cm	1.3 kg
Clinet® 303	310 303	6	Disinfecting spray - delivered with 3 triggers	28 x 19 x 28 cm	6.4 kg
Clinet® 404 Sanifood®	310 404	12	Dispenser of 70 wipes approved for food contact	39 x 30 x 18 cm	5 kg
Clinet® anti-algae	310 400	1	Algae inhibiting liquid	31 x 22 x 7 cm	1.1 kg

DEODORANT	Reference	Sales unit	Specifications	Box dim.	Gross weight
Anabac®: autoclave deodorants					
Anabac® Classic	320 100	1	Box of 100 capsules (fragrance: mint/eucalyptus)	12 x 10 x 8 cm	160 g
Anabac® Poma	320 200	1	Box of 100 capsules (fragrance: apple)	12 x 10 x 8 cm	160 g
Anabac® Citrus	320 300	1	Box of 100 capsules (fragrance: lemon)	12 x 10 x 8 cm	160 g
Anabac® Floral	320 400	1	Box of 100 capsules (fragrance: flower)	12 x 10 x 8 cm	160 g
Anabac® Peach	320 500	1	Box of 100 capsules (fragrance: peach)	12 x 10 x 8 cm	160 g

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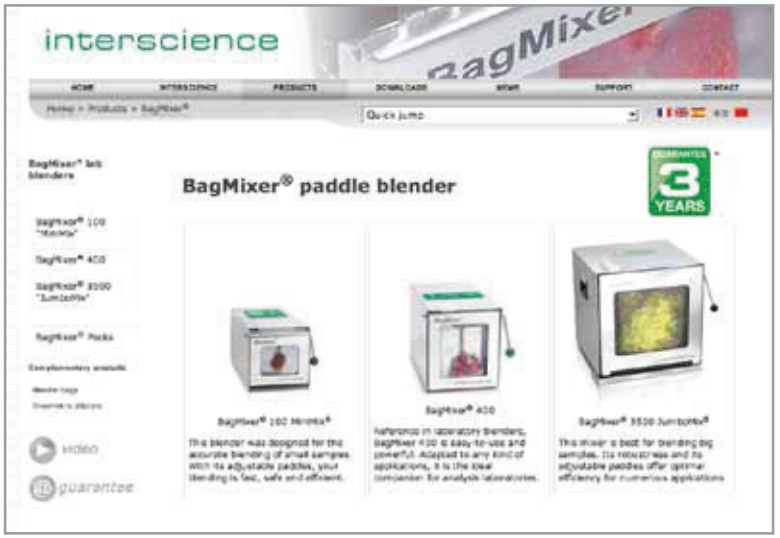

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